INTRODUCTION TO IM

Session Length: 2, 3-hour sessions
8:00-11:00 AM, Aug. 8/9
Consulting Available 12:00-3:00 PM
District IM Platform: Imagine Learning
Teachers will have: Manuals, student workbooks, and prepared centers.

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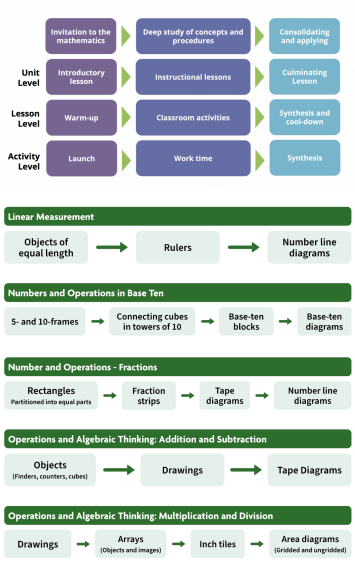
Time		Description	Materials	Physical Materials
8:00 -8:30		**Welcome and Opening** General participation reminders • Act 48 • Restroom/phone/food • Slidedeck access Kickoff question discussion: What do you already know about IM? Gallery rotation: 1) Curriculum design 2) Instructional routines/activities 3) Mathematics Strategies and Modeling 4) What/how' to assess 5) Hesitations about the curriculum 6) Questions you have	Slide deck Teacher note sheet	District can provide: • Poster paper • Poster markers • Sticky notes • Sharpies • Copies of teacher notes sheet *Please let me know if I need to stop and pick these up to bring 🙂
8:30 -8:45	**1**	About IM - Curriculum design principles - Scope & Sequence Rationales/Story of each grade level - Direct teachers to create a "quick" scope and sequence of their year. Dates/time optional. The goal is to familiarize teachers with the big picture. **Base this discussion off of what teachers already learned during their IM specific training the previous day.*	Scope & Sequence Dependency Chart Blank Curriculum Template .*Optional for if a teacher wants to use it. All teachers will eventually complete the framework as a district requirement. Stories of the Grade Levels IM_Design	Printed copies of documents for teachers. Not necessary, but always appreciated!

				
8:45 -9:30	**2**	Typical lesson flow overview: 1. Learning goal & welcome 2. Warm-up 3. Instructional activities 4. Lesson synthesis 5. Cool-down (AKA: Exit ticket) “When do we PRACTICE? There aren’t enough PROBLEMS!? - Centers - Suggestions for organizing & storing - Solve the problem and show how you know “What about homework?” - Research summary NCTM - HW philosophy - Organically generated questions (both mathematical *and* not) - Use exit tickets - Math games - BRIEF 1-3 problems	NCTM Homework Efficacy Research Brief	
9:30 -10:30	**3**	Warm-Up Instructional Routines - Notice & Wonder - Which one doesn’t belong? - Problem strings (Number Talk) **Facilitate one of each with teachers.*	Math Talks/Congress Planning Template	

		Provide planning templates.		
10:30-11:00		Summary & Wrap-up • Add questions to the parking lot		
Day 1 End				
8:00 -9:00	**4**	Facilitating a rich task (pt 1) • Teachers complete a rich task in randomly selected small groups and showcase their work on poster paper • Facilitate a math congress to consolidate teacher work	Slide deck cont.	Poster paper Poster markers Pencils Scratch paper *Teresa will bring white boards/markers/erasers
9:00 -10:30	**6**	5 Practices for Facilitating a Productive Math Discussion • Summarize 5 practices with parallels to what we did in the rich task together	Math Talks/Congress Planning Template Using the 5 Practices to Orchestrate Productive Math Discussions Summary #1 5 Practices to Orchestrate Productive Math Discussions Summary #2 Funneling vs Focusing Questions Summary Book purchase link	Student work samples (pp. 7-8) * Print one set per group
10:30 -11:00		W.I.N. • Wrap up addressing teacher's questions/immediate needs • Survey teachers to determine needs moving forward.		

Citations: